109.3 - EPA: Organic Compounds Related to Water Analysis (including drinking water)

These SRMs are intended primarily for the calibration of instrumentation and validation of methods for volatile or semi-volatile organic compound determinations. Because of its miscibility with water, each SRM can also be used to fortify aqueous samples with known amounts of the organic compound. These SRMs were developed by the NIST Analytical Chemisty Division (ACD) primarily to support the Chemical Calibration Providers of the Proficiency Testing Program with support by the U.S. Environmental Protection Agency (EPA).To see related SRMs, go to:

Table 104.3 Stoichiometry (powder form)
Table 104.5 Spectrometry: Single Element Standard Solutions
Table 104.8 Anion Chromatography (solution form)
Table 201.1 pH Calibration (powder form)

Laboratory Accreditation: NVLAP - National Voluntary Laboratory Accreditation Program

Technical Contact: michele.schantz@nist.gov

PLEASE NOTE: The tables are presented to facilitate comparisons among a family of materials to help customers select the best SRM for their needs. For specific values and uncertainties, the certificate is the only official source.

SRM	Description	Unit of Issue
3000	Benzene in Methanol	2x2.5 mL
3001	Toluene in Methanol	2x2.5 mL
3002	Ethylbenzene in Methanol	2x2.5 mL
3003	o-Xylene in Methanol	2x2.5 mL
3004	m-Xylene in Methanol	2x2.5 mL
3005	p-Xylene in Methanol	2x2.5 mL
3006	Carbon Tetrachloride in Methanol	2x2.5 mL
3008	Methylene Chloride in Methanol (Nominal Mass Fraction, 0.01 g/g)	2x2.5 mL
3009	1,2-Dichloropropane in Methanol (Nominal Mass Fraction - 0.01 g/g)	2x2.5 mL
3010	Tetrachloroethene (Tetrachloroethylene) in Methanol	2x2.5 mL
3011	1,1,1-Trichloroethane in Methanol (Nominal Mass Fraction, 0.01 g/g)	2x2.5 mL
3012	1,2-Dichloroethane in Methanol (Nominal Mass Fraction, 0.01 g/g)	2x2.5 mL
3014	1,2,3-Trichloropropane in Methanol (Nominal Mass Fraction - 0.01 g/g)	2x2.5 mL
3015	Isopropylbenzene in Methanol	2x2.5 mL
3016	sec-Butylbenzene in Methanol	2x2.5 mL
3063	2,3,7,8-Tetrachlorodibenzo-p-dioxin (2,3,7,8-TCDD) in Methanol	5x1.2 mL
3064	Endothall in Water	5 x 1.2 mL
3067	Toxaphene in Methanol	5x1.2 mL
3068	Chlordane in Methanol	5 x 1.2 mL
3071	Glyphosate in Water	5x1.2 mL

SRM>	Description	Unit of Issue
3072	Diquat Dibromide in Water	5x1.2 mL
3074	Phthalates in Methanol	5 x 1.2 mL
3075	Aroclor 1016 in Transformer Oil	5x1.2 mL
3076	Aroclor 1232 in Transformer Oil	5x1.2 mL
3077	Aroclor 1242 in Transformer Oil	5x1.2 mL
3078	Aroclor 1248 in Transformer Oil	5x1.2 mL
3079	Aroclor 1254 in Transformer Oil	5x1.2 mL
3080	Aroclor 1260 in Transformer Oil	5x1.2 mL
3081	Aroclor 1016 in Methanol	5 x 1.2 mL
3082	Aroclor 1232 in Methanol	5 x 1.2 mL

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3083	Aroclor 1242 in Methanol	5 x 1.2 mL
3084	Aroclor 1248 in Methanol	5 x 1.2 mL
3085	Aroclor 1254 in Methanol	5 x 1.2 mL
3086	Aroclor 1260 in Methanol	5 x 1.2 mL
3090	Aroclors in Transformer Oil	set (SRMs 3075-3080)
3091	Aroclors in Methanol	set (SRMs 3081-3086)
8504	Transformer Oil	100 mL